

**City of San José**  
**CLASS SPECIFICATION**

**TITLE: Apprentice Plant Mechanic (3627)**

<b>DEPARTMENT</b>	<b>ACCOUNTABLE TO</b>	<b>FLSA STATUS</b>
<b>Environmental Services</b>	<b>Plant Mechanic Supervisor</b>	<b>Non-Exempt</b>

**CLASS SUMMARY**

Under immediate supervision, performs work of routine difficulty in the maintenance, repair, and overhaul of varied Water Pollution Control Plant (WPCP) equipment. Performs related work as required.

**DISTINGUISHING CHARACTERISTICS**

Apprentice Plant Mechanics for the City of San Jose are regular City employees and are also participants in an established apprenticeship program approved by the State of California, Department of Industrial Relations, Division of Apprenticeship Standards. The Plant Mechanic apprenticeship program is administered by the City of San José Apprenticeship Advisory Committee. Both satisfactory grade and attendance in the off-duty courses of education established by the apprenticeship committee are required. The four (4) year program will provide the experience and education in the area of maintenance, repair and overhaul of varied WPCP equipment. This is the first or entry level classification in the Plant Mechanic series.

**QUALIFICATIONS**

**(These qualifications are typically required. An equivalent combination of education, experience, knowledge, skills, and abilities sufficient to satisfactorily perform the duties of the job may be substituted.)**

**Minimum Qualifications**

**Education:** Successful completion of high school, General Educational Development (G.E.D.) Certificate, or California Proficiency Certificate.

**Experience** Two (2) years of experience in areas such as lubrication and servicing of mechanized equipment, pumps, small engines, blowers, gas and air compressors, ventilation systems, or automotive equipment; and related duties such as the maintenance of parts and supply inventories, and the maintenance of service records.

**Acceptable Substitutions:** None.

**Required Licensing (such as driver's license, certifications, etc.)** Certificate of Registration as an Apprentice Plant Mechanic with the Division of Apprenticeship Standards, State of California is required at the time of appointment.

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Possession of a valid driver's license authoring the operation of a motor vehicle in the State of California.

**Other Qualifications**

Continuous membership in good standing in the apprenticeship program as administered pursuant to the provisions of the City of San Jose Plant Mechanic Apprentice Advisory Committee is a condition to continuing employment as an Apprentice Plant Mechanic with the City of San Jose.

**Competency Knowledge, Skills and Abilities**

- Knowledge of methods and materials used in cleaning water pollution control treatment plant equipment
- Knowledge of machines, hand and power tools and procedures used in maintaining and repairing heavy equipment and machinery such as steam, diesel and electric motors and boilers, pumps, conveyors and generators.
- Skill in using mechanic's tools and lubricating equipment

**Physical Requirements:** Ability to perform the essential physical functions of the job as determined by a post-offer medical examination conducted by the City of San Jose Employee Health Services.

<b>DUTY NO.</b>	<b><u>TYPICAL CLASS ESSENTIAL DUTIES:</u></b> (Any one position may not include all the duties listed, nor do the examples cover all the duties which may be performed.) <b>Duties may include, but are not limited to, the following:</b>	<b>FRE-QUENCY*</b>
1.	In a learning capacity, participate in installing, aligning, removing, and repairing various sewage treatment plant equipment such as: bar screens, grit collectors, conveyors, mechanical grinders, pumps, small engines, blowers, gas and air compressors, ventilation systems, chlorinators, and emergency equipment.	Continuous
2.	In a learning capacity, participates in tune-up, repair and overhaul work on small engines.	Continuous
3.	In a learning capacity, participates in installing, repairing and checking high pressure piping systems.	Continuous
4.	In a learning capacity, participates in laying out, cutting, bending and assembling pipes and other component parts for the fabrication of new systems.	Continuous

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5.	In a learning capacity, participates in modifying existing piping and tests systems and equipment for proper operation and conformance to standards.	Continuous
6.	In a learning capacity, participates in all-position welding for different types of metals and alloys of various sizes, thickness, and shapes.	Continuous
7.	In a learning capacity, participates in cutting plates, structural steel and alloys within close tolerances with flame-cutting torch equipment.	Continuous
8.	In a learning capacity, participates in removing, installing, and relocating various pieces of heavy, unwieldy, or otherwise critical equipment and machinery using cranes, winches, hoists, dollies, rollers, and forklift trucks.	Continuous
9.	In a learning capacity, participates in preparing sketches and reading blueprints, job orders and specifications.	Continuous
10.	Performs other duties of a similar nature or level.	As Required

\*Frequency defined as %, (totaling 100%) or "Continuous" (daily or approximately 20%+), "Frequent"(weekly or approximately 15%+), "Occasional"(monthly or approximately 10%+), "As Required"(Intermittent or 5% or less)

<b>CLASSIFICATION HISTORY</b> <i>Created 9/10; s000</i>
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